

A.Py. Docket No. 03500/HG  
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The diagram illustrates a multi-lane assay system (1). It features a central plate (2) with ten lanes (3). The lanes are labeled from left to right: W, Lk, Lc, Lm, Ly, K, C, M, Y, and W. Each lane contains a sample and a detection unit (4) with a light source. The plate is flanked by two detection units (4) with light sources. The distance between the plate and the detection units is labeled  $h_1$ . The distance between the plate and the detection units is labeled  $h_2$ . The distance between the plate and the detection units is labeled  $d$ . The distance between the plate and the detection units is labeled  $P$ . A vertical axis  $Y$  is shown on the left side of the plate.